SEQUENCE LISTING

JUL 2 2 2005

(005 | <110>

Wild, Carl T. Allaway, Graham P.

- <120> A Method for Generating Immunogens that Elicit Neutralizing Antibodies against Fusion-Active Regions of HIV Envelope Proteins
- <130> 1900.0260001
- <140> US 09/189,981
- <141> 2001-03-16
- <150> US 60/189,981
- <151> 2000-03-17
- <160> 87
- <170> PatentIn version 3.0
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Ser Gly Ile Val Gln Gln Ser Asn Leu Leu Lys Ala Ile Glu Ala 1 5 10 15

Gln Gln His Leu Leu Lys Leu Thr Val Trp Gly Ile Lys Gln Leu Gln 20 25 30

Ala Arg Val Leu

35

<210> 78

<211> 38

<212> PRT

<213> Human immunodeficiency virus type 1

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Ser Asn Leu Leu Lys Ala Ile Glu Ala Gln Gln His Leu Leu Lys Leu 1 5 10 15

Thr Val Trp Gly Ile Lys Gln Leu Gln Ala Arg Val Leu Ala Val Glu 20 25 30

Arg Tyr Leu Lys Asp Gln 35

<210> 79

<211> 45

<212> PRT

<213> Human immunodeficiency virus type 1

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Ser Gly Ile Val Gln Gln Gln Asn Ile Leu Leu Arg Ala Ile Glu Ala 1 5 10 15

Gln Gln His Leu Leu Gln Leu Ser Ile Trp Gly Ile Lys Gln Leu Gln 20 25 30

Ala Lys Val Leu Ala Ile Glu Arg Tyr Leu Arg Asp Gln 35 40 45

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<210> 80
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<211> 36

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<213> Human immunodeficiency virus type 1

<400> 80

Ser Gly Ile Val Gln Gln Gln Asn Ile Leu Leu Arg Ala Ile Glu Ala 1 5 10 15

Gln Gln His Leu Gln Leu Ser Ile Trp Gly Ile Lys Gln Leu Gln 20 25 30

Ala Lys Val Leu

35

<210> 81

<211> 38

<212> PRT

<213> Human immunodeficiency virus type 1

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Asn Ile Leu Leu Arg Ala Ile Glu Ala Gln Gln His Leu Leu Gln Leu 1 5 10 15

Ser Ile Trp Gly Ile Lys Gln Leu Gln Ala Lys Val Leu Ala Ile Glu 20 25 30

Arg Tyr Leu Arg Asp Gln 35

<210> 82

<211> 45

<212> PRT

<213> Human immunodeficiency virus type 1

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<221> UNSURE

<222> (25)..(25)

<223> May be any amino acid

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Lys Gly Ile Val Gln Gln Gln Asp Asn Leu Leu Arg Ala Ile Gln Ala 1 $$ 5 $$ 10 $$ 15

Gln Gln Leu Leu Arg Leu Ser Xaa Trp Gly Ile Arg Gln Leu Arg
20 25 30

Ala Arg Leu Leu Ala Leu Glu Thr Leu Leu Gln Asn Gln 35 40 45

<210> 83

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<221> UNSURE

<222> (25)..(25)

<223> May be any amino acid

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Lys Gly Ile Val Gln Gln Gln Asp Asn Leu Leu Arg Ala Ile Gln Ala 1 $$ 5 $$ 10 $$ 15

Gln Gln Leu Leu Arg Leu Ser Xaa Trp Gly Ile Arg Gln Leu Arg
20 25 30

Ala Arg Leu 35

<210> 84

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<221> UNSURE

<222> (18)..(18)

<223> May be any amino acid

<400> 84

Asp Asn Leu Leu Arg Ala Ile Gln Ala Gln Gln Gln Leu Leu Arg Leu 1 5 10 15

Ser Xaa Trp Gly Ile Arg Gln Leu Arg Ala Arg Leu Leu Ala Leu Glu 20 25 30

Thr Leu Leu Gln Asn Gln 35

<210> 85

<211> 36

<212> PRT

<213> Human immunodeficiency virus type 1

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Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln 1 5 10 15

Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu 20 25 30

Trp Asn Trp Phe 35

<210> 86

<211> 31

<212> PRT

<213> Human immunodeficiency virus type 1

<400> 86

Tyr Thr Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln 1 5 10 15

Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu Trp Asn Trp Phe 20 25 30

<210> 87

<211> 51

<212> PRT

<213> Artificial Sequence

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<223> Epitope tagged P-18 from HIV-1

<400> 87

Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln 1 5 10 15

Glu Lys Asn Glu Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu 20 25 30

Trp Asn Trp Phe Gly Gly Gly Tyr Pro Tyr Asp Val Pro Asp Tyr Ala 35 40 45

Gly Pro Gly 50